

A B S T R A C T

The invention relates to a dextrose hydrate in powder form, having a dextrose content at least equal to 98%, an α crystalline form content at least equal to 95%, a water content greater than 1%, a compressibility determined according to a test A, at least equal to 70 N. The invention also relates to a process for the preparation thereof and to the use of said dextrose hydrate in powder form as a sweetener, osmotic agent, nutrient or excipient, particularly in compositions intended for the food, pharmaceutical, chemical and agrochemical sectors.